



World Computer Chess Championship 1974 - 2024

The longest running experiment in Computing Science history

1st WCCC – Stockholm, Sweden 1974

1st: Kaissa (Russia)

2-4: CHAOS (US), Chess 4.0 (US), Ribbit (Canada)



Mikhail Donskoy (Kaissa)
Communicating with Moscow



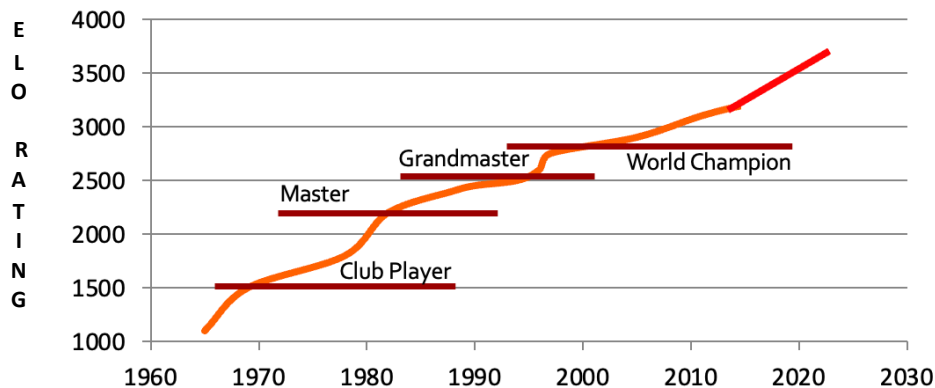
Shannon Trophy



CHAOS versus Chess 4.0. L-R: Slate (Chess 4.0), Swartz, Berman (CHAOS)

28th WCCC – 50th Anniversary Santiago de Compostela, Spain 2024

Chess: Rating vs Year



60 Years of Escalating Chess Program Strength



International Computer Games Association (ICGA)

Originally the International Computer Chess Association (ICGA). Volunteer organization which promotes creating and applying artificial intelligence technology to games.

Activities:

- *ICGA Journal* (quarterly; roughly 250 pages per year).
- World Computer Chess Championships.
- Computer Olympiad (non-chess board and game computer competitions).
- *Advances in Computer Games* and *Computer and Games* conferences.

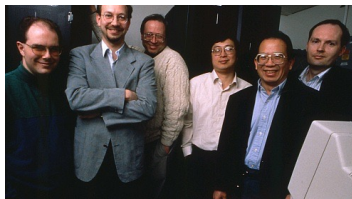
Membership: 20 Euros per year.

www.icga.org

8x8 Checkers (1994):
CHINOOK



Chess (1997):
DEEP BLUE



Othello (1997):
LOGISTELLO



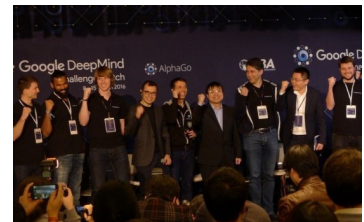
Backgammon (2000):
TD GAMMON



Poker (2015):
POLARIS



Go (2016):
ALPHAGO





CHESS: **Chess History, Experiments, and Search Symposium**

Wednesday October 23: 14:00-17:00, Room R24-Krakow

Master of Ceremonies: Jonathan Schaeffer

1. Welcoming Remarks
2. 1949-1974: Jonathan Schaeffer
3. History of the World Computer Chess Championship (Part 1)
 - 1974 Stockholm: Vladimir Arlazarov (KAISSA)
 - 1977 Toronto: Tom Truscott (DUCHESS)
 - 1980 Linz: Don Beal (BEAL, BCP, DELICATE BRUTE, CILKCHESS)
 - 1983 New York: Monty Newborn (OSTRICH)
 - 1986 Cologne: Richard Lang (CHESS GENIUS, MEPHISTO)
 - 1989 Edmonton: Tony Marsland (AWIT)
 - 1992 Madrid: Johannes de Koning (RISC 2500) and Jonathan Schaeffer (PHOENIX)

Coffee Break

4. The ICGA Journal in Pictures in the ICGA Journal. Slide show, Dap Hartmann (DAPPET)
5. History of the World Computer Chess Championship (Part 2)
 - 1995 Hong Kong: John Hamlen (WOODPUSHER)
 - 1997 Deep Blue: Murray Campbell (HITECH; DEEP THOUGHT; DEEP BLUE PROTOTYPE), Feng-hsiung Hsu (DEEP THOUGHT; DEEP BLUE PROTOTYPE)
 - 1998-present: Jaap van den Herik (MUCH; PION; DUTCH)
 - 2017: Nenad Tomasev (ALPHAZERO)
5. My Fifty Years of Computer Chess: David Levy (MOBY, CYRUS 68K, PHILIDOR)
6. The Fifty-Year Computer Chess Experiment. What Are the Outcomes?
 - Panel discussion: Jaap van den Herik (moderator)
 - Vladimir Arlazarov, Don Beal, David Levy, Monty Newborn
7. Concluding Remarks





World Computer Chess Championship

Program	Author(s)
Ares	Charles Robertson
Jonny	Johannes Zwanzger
Gridchess using Fritz	Kai Himstedt, Robert Hyatt, Frank Schneider
Raptor	Steve Webber
rofChade	Ronald Friederich
Shashchess	Andrea Manzo
Stoofvlees	Gian-Carlo Pascutto
Tech 4	John Hamlen
Tornado	Engin Üstün

All entries are rated well over 3000 Elo, some as high as 3600

Program	Ares	Jonny	Grid	Raptor	rof	Shash	Stoof	Tech4	Torn	Total
Ares	■									
Jonny		■								
Gridchess			■							
Raptor				■						
rofChade					■					
Shashchess						■				
Stoofvlees							■			
Tech 4								■		
Tornado									■	

Non-Participant

Program	FIDE Rating	Authors
Human World Champion	2831	Magnus Carlsen